



State of Utah

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TECHNICAL FIELD VISIT

DATE: January 28, 2000**DOGM STAFF:** Robert Davidson**ATTENDANTS:** Chris Hansen and Quay Meacham, Canyon Fuel Company, LLC
Jim Shade, private welding contractor**RE:** Link Canyon Substation Pad #2, Canyon Fuel Company, LLC, SUFCO Mine,
ACT/041/002, Sevier County, Utah**Purpose:**Compliance

- Characterize and sample substitute topsoil from the old tramway-overcast outslope at the Link Canyon Substation Pad #2 site.

Background:

- The latest review of the Link Canyon Substation Pad #2 amendment, contained several soil deficiencies concerning lack of soil for salvage and reclamation. Canyon Fuel Company committed to sample and characterize additional disturbed soils on the site for use as substitute topsoil to help satisfy the deficiencies.

Observations & Recommendations:

- Using a backhoe, dug one soil pit on the outslope of the old tramway road. This area has recently been disturbed for accessing cables and communication lines from inside the mine. The outslope has received additional soils from this disturbance. The outslope was estimated to be 45 degrees. The pit was dug to a depth of four feet before encountering shale material. The perpendicular depth measured four feet.
- Field characterizations were made as follows:
 - 0 to 1 feet Silty sandy loam, damp, loose with no structure. 10% gravels. 1% fine coal. The soil was mixed containing plant litter and fine roots. Moderate to strong reaction using 10% hydrochloric acid.
 - 1 to 4 feet Damp and loose with no soil structure. 15 to 20 % fine to coarse angular gravels evenly dispersed; 5% fine to coarse angular cobbles. 1% coal. Abundant fine roots throughout profile. Strong reaction using 10% hydrochloric acid.
- Took one composite sample from each of the two sections. Will analyze according to DOGM's guidelines for substitute soils and overburden.

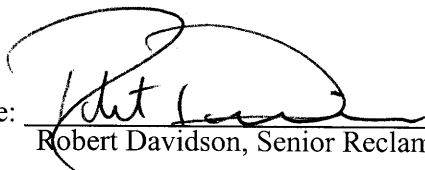
Signature: 
Robert Davidson, Senior Reclamation Specialiston January 31, 2000



Figure 1. Soil pit, side wall.



Figure 2. Soil pit, back wall.



Figure 3. Link Canyon Substation Pad #2 soil pit location - old tramway road outslope.



Figure 4. Soil pit location as viewed below the tramway road outslope.